Asadipour, Meysam

Some notes on subspace convex-cyclicity. (English) [Zbl 07563301]


In this paper under review, the author defines subspace convex-cyclicity and gives some examples of subspace convex-cyclic operators which are not convex-cyclic. Then, a Hahn-Banach Characterization was given for subspace convex-cyclicity. He shows that every convex-cyclic operator on the separable Banach space $X$, is a subspace convex-cyclic operator for a non-trivial subspace $M$ of $X$.

Reviewer: Ömer Gök (İstanbul)

MSC:

47A16 Cyclic vectors, hypercyclic and chaotic operators
52A07 Convex sets in topological vector spaces (aspects of convex geometry)

Keywords:

hypercyclicity; convex hull; convex-cyclic operators; separable Banach spaces

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References:


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